1200W DMX Follow Spot Light

User's Manual

Preface:

Thanks for your use of our product-Follow Spot. The advanced product has the multi-functions and multi-uses in modem optics, which can be used widely in dancing and sing hall, recreations and circuit performs.

Information:

In order to insure your use of this light for long time, safely and credibly, please read this Manual Instruction carefully before using, therefore you will be away from the unnecessary malfunctions and injury.

Installation:

Before install it, please check if components of machine has loosed to move or shed off due to transportation, if the electric appliances circuit to electric resistance still keep safely technique parameter to the machine cover, know about the principle of electric appliances connects and the sketch map of low-lines. Strictly forbid to take the electricity gearing, and install want to be firm, perpendicular, die outer shell connects the ground.

While installing the light equipment, please make sure that there is no extreme flammable and easy-exploded objects in 1 Meter.

While choosing the equipment installing position, please insure the ventilated fan and rows don't stop by other flammable or easy-exploded objects. This equipment should keep away from die rain and moistures, please cut off -the power before opening the outer cover. This equipment is the necessary Effect light of stage which can be set up according to the request of stage. This light can be hanged as Color Changer, and guarantees that the weight of this equipment is within die scope of die hanged weight. Security cable is demanded to circle the frame for safety after installed.

Bulb Installation:

Cut off the power supply first, loosen and open die screw on the cover, and take out the cover, then take out the bulb carefully.

Use the same type and the same power of bulb (suggest to purchase it from die dealer or the factory di reedy), install it according to the negative step. When you install it, please don't touch the glass part of bulb with hands and oiliness things.

Note: While installing the bulb, both ending screws of bulb should be tightened greatly, otherwise maybe get fire or damage the lamp.

Operation Description:

Please check if die power voltage is suit for the rated voltage first before turning it on, high or low voltage both will influence the service life and the effect of light, please necessarily stabilize the technique parameter of input power voltage in use. In the area in which the voltage changes greatly, 220v is suggested in order to meet the rated voltage of the light equipment. The product is the top-protecting equipment the earth line should connects with the earth perfectly. Insure the safe usage.
This lamp has die thermo-protect function and can switch on to postpone, the host computer chip will need 30 seconds to start reset after turning on the lamp;
Note: It is better to turn on the bulb first, then turn on the circuit board after the bulb is turned on steady. (In order to avoid disturb the circuit due to high voltage).

Main technique parameter

Item No	**HW-B001**
Bulb	**HMI 1200**
Rated voltage	**AC220V-240V 50Hz- 60 Hz**
Power consumption	**1500W**
Optical system	**Concave Reflector Adjustable optical convex lens**
Cooling system	**Strong fans cooling system**
Cover	**The wreath oxygen sprays the paint**
Motor	**Control 5 mini-step motor through an internal micro-processing system**
Function color	**The vacuum plating glass 5 main color, mixed color+ open**
Strobe description	**7 class of adjustable strobe speed**
Zoom in and Zoom out	**Adjust Zoom via mini-step aperture**
Control way	**The front-panel controlling**
	Standard DMX512 signal controlling 4 DMX channels
Working environment	**Indoor(20 *C – 40 *C**

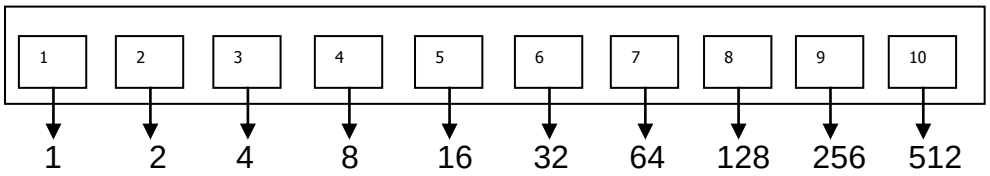
DMX512 Connection

Controller output 1DMX512 standard signal, connects via output and input...The three pin XLR 1 is grounding, 2 is negative and 3 is positive, or change 2 and 3 (The controller generally don't need to change these two pins). The length of signal cable should be within 100 meters, to avoid die interference by other electric appliances because of too long signal cable. Big electric cable or signal-amplifier is suggested to use for the long distance. Please use the step output cable, matching wife the socket, output connector connect wife the input connector of fee next equipment.

Don't dismantle output cable into two output cable, and it cannot over-loaded. One line maxima can connect wife 32 machines. When use digital control input signal, all equipment must have one digital ADD number, for fee purpose of relevant lamp arid relevant control signals working, and this ADD No. is a band Number. Light machine starting is obey to fee control signal which transmitted out by controller.

Each follow spot light is to obey a group of 4 band signal, they all start with the one given digital ADD signal that is given in advance, and fee allotment of these addresses is set by the light DIP address code. Detail is as the following chart

Address code:



Example 1: If the controller is 10 channels, so the first light ADD is 0, the relevant ADD is 0, then turn on address 10 convert to DMX512 signal, so the first light should turn on ADD 10; the formula of the second light is 0 add the number of channels

10=2+8, then the second lamp should turn on 2 and 4 addresses of;...the sixth light formula is 0+10+10+10+ 10+10=50(5(h^B2+16+32), so the sixth lamp should pull out 2,5 and 6. And so on.

Example 2: If the controller has 16 channels, die start address of the first light is 0, and the relevant address is 0 ,so and die first light should turn on ADD 10; the formula of the second light is 16, so the second lamp should turn on ADD 5 and 10;...the formula value of the sixth light is 16+16+16+16+16=80(80=16+64), so the sixth light should turn on 5 and 7 +10 .And so on. Take the usual DMX512 controller as an example, the controller has 16 channels, so the ADD of each light can turn on to take the row as follows:

Light No.	**Relevant ADD**
1	10
2	5+10
3	6+10
4	5.6+10
5	7+10
6	5.7+10
7	6.7+10
8	5.6.7+10
9	8+10
10	5.8+10
11	6.8+10
12	5.6.8+10

Trouble and Solutions:

If you the bulb cannot turn on, cut off the power and check if the fuse and the temperature controller functions; if they are OK, please check if the bulb burned or not, if burned thé lamp you must replace it at once.

If the motor doesn't work, cut off the power first, checking if fuse is function; if the fuse is OK, please check if the motor is good or not ...otherwise replace the motor.

When other parts appear the excrescent phenomenon, don't strip it by yourself, ask professional people check and fix.

Notes:
After opened the package box, please check the whole light carefully, if find that the lamp damaged or have the accessories lapse, please contact with the supplier immediately.

This light equipment can be delivered by any conveyance after packed, but should avoid rain, snow and damage the equipment.

This light should be kept in the temperature of -20—40t2. The harmful air or flammable and easy-exploded chemical objects should be keep away from the warehouse, and the violent vibration and strong magnetic field interferences should also be avoided.

Power cable should be chose according to the power of the light If the lamp use the HMI1200W bulb, then it must use the

three core cable 2mm^2; if die lamp use die HMI2500W bulb, then it must use the three core cable with the section area 4mm .

Don’t turn ON/OFF the power at random. Turn on the light again must after 20 minutes later in order to cool down the bulb completely.

Don’t look at the beam directly or it will hurt your eyes.

Confirm the fan working perfectly before turning on the light. Use the light under the condition of cooling system does not work.

This light cannot using for too long time once, otherwise the lamp damage easily, the longest time is no more than 6 hours.

The proper working voltage is 220V, 50 Hz, and the voltage should not lower than 200V or higher than 240V, otherwise the bulb will damage or work falsely and shorten the normal service life of the light.

In the process of operating, if discover some light breakdown, please pause to use this light, avoid to use the light long time under non normal condition.

In the process of operating, if the control signal in mess or out of control, checking if the control signal of the light is wrong or not or short-cut.

For to avoid interference of anti-signal, the power supply and controllers of each light must connect with the ground and the connection must be good and dependable.

Keep maintain the equipment timely. (Include the examination of the screws, the lamp sweeps etc..)

The operation hint:

The operation method, the guidance and the notices are jotted down very simple in the book, so read it carefully before use the product.

If don’t understand the operation method, read this manual carefully in order to operate by exactitude rather than depend on your own judgment.

If don't obey the request of this manual but meet trouble result in without authorization, or occur breakdown, factory will be all irresponsible.

The laypeople please not dismantle or replace the spare parts (the machine spare parts and the PCB electronics component). If meet difficult technique problems and maintenance, please contact with the dealer or the manufacturer directly.

Confirm the power has cut off before separate the light or do any other maintenance. Keep the light clear is very important. Dust and oil enter into the light or touch the machine is prohibited, if happen, the brightness of the light will weaken,, keep the light clear can let guarantee the brightness of the light, and also can prolong the lifetime of the machine. High quality clear liquid and silk is suggested to clear the Moving Head light Alcohol and Chemical Liquid is prohibited at any time, gobo wheel can be cleaned by soft brush, and the inside can use the vacuum to clear it, at least one year clear once. Color wheel and Gobo wheel should be cleaned at least once/month.

Operate Description

Turn the DIP switch, the light may choose the function:

1 — 9: To set of ADD No. of the light
10: ON is DMX5123 model; OFF is panel control model.

DMX512 Channels Description

Channel I: strobe

Channel 2: zoom in and zoom ont

Channel 3: color wheel

Channel 4: color temperature

Panel Description

Confirm the DIP ADD NO. has turned to panel model; Turn on the power switch of the panel, if the lamp receives the signal correctly, the yellow signal light will flash. Please operate according to the instructions. ON/OFF Panel power switch.
NONE(close)/ RISE(heat)/ FALL(drop the heat) is color temperature controller.
The STROBE regulates for the speed of strobe.

The APERTURE is zoom in or zoom out > The COLOR is color wheel handle. R/G/B/Y/P/W is the control key of red, green, blue, purple and white.

4- OPEN, CLOSE is the key to open the light and hide the light.

- Color temperature switch
- Strobe switch
- Aperture(Zoom in or Zoom out)
- Color wheel switch
- Power ON/OFF
- Red
- Green
- Blue
- Yellow
- Violet
- Open
- ON
- OFF